

**Notice of Allowability**

Application No.

10/611,855

Examiner

Brandon J. Miller

Applicant(s)

YAMADA ET AL.

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/6/2007.
2. ☒ The allowed claim(s) is/are 3-8, 10, 12 and 13.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
GEORGE ENG  
SUPERVISORY PATENT EXAMINER

## **DETAILED ACTION**

### ***Allowable Subject Matter***

The following is an examiner's statement of reasons for allowance:

Claim 3 recites a packet communication system comprising packet communication devices that are arranged in a plurality of foreign networks, respectively, and that are at least part of foreign networks existing as networks visited by a mobile node with a structure as defined in the specification (pages 8-22) including the mobile node continuously sends information pertinent to an updated care-of-address given in the most recently visited foreign network, after moving through at least three foreign networks, to at least one of the packet communication devices arranged in the at least three foreign networks in which the mobile node visited previously. Applicant's independent claim 3 comprises a particular combination of elements, which is neither taught nor suggested by the prior art.

Claims 4-8 and 13 are allowable based on their dependence of independent claim 3.

Claim 10 recites a communication network comprising packet communication devices that are arranged in a plurality of foreign networks, respectively, and that are at least part of foreign networks existing as networks visited by a mobile node with a structure as defined in the specification (pages 8-22) including after moving through at least three foreign networks, information pertinent to an updated care-of-address given by the most recently visited foreign network is continuously sent from the mobile node to at least one of the packet communication devices arranged on the at least three foreign networks in which the mobile node visited

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previously. Applicant's independent claim 10 comprises a particular combination of elements, which is neither taught nor suggested by the prior art.

Claim 12 recites a method for selecting an IP address in a mobile node comprising the steps of: arranging packet communication devices in a plurality of foreign networks that are part of foreign networks existing as networks visited by a mobile node, respectively with a structure as defined in the specification (pages 8-22) including after the mobile node moved through at least three foreign networks, sending information pertinent of an updated care-of-address given in the most recently visited foreign network continuously from the mobile node to at least one of the packet communication devices arranged in the at least three foreign networks in which the mobile node visited previously. Applicant's independent claim 12 comprises a particular combination of elements, which is neither taught nor suggested by the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Related prior art considered pertinent to applicant's disclosure.

Shimizu et al. Pub. No.: US 2002/0009066 A1 discloses route optimization method and agent apparatus.

Khalil et al. U.S. Patent No. 6,578,085 B1 discloses a system and method for route optimization in a wireless Internet protocol network.

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Kakemizu et al. U.S. Patent No. 6,917,605 B2 discloses a mobile network system and service control information changing method.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon J. Miller whose telephone number is 571-272-7869. The examiner can normally be reached on Mon.-Fri. 8:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



June 28, 2007



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